

TCAP Achievement, Grade 6, Science
Criterion Referenced Test (CRT) Reporting Categories with State Performance Indicators (SPI)

Interactions Between Living Things and Their Environment	
SPI#	State Performance Indicator
6.2.1	Recognize how animals and plants are interdependent.
6.2.2	Distinguish among commensalism, parasitism, and mutualism.
6.2.3	Predict whether an organism can survive in a particular ecosystem.
Food Production and Energy for Life	
SPI#	State Performance Indicator
6.3.1	Identify how organisms obtain food for energy.
6.3.2	Classify organisms as producers, consumers, or decomposers in a food chain or food web.
6.3.3	Infer the consequences of a change in the population size of an organism in a food chain or food web.
Diversity and adaptation Among Living Things	
SPI#	State Performance Indicator
6.5.1	Identify adaptations that enhance the survival of organisms in an environment.
6.5.2	Determine which organisms are likely to survive in a particular environment.
6.5.3	Classify plants and animals into groups according to their features.
Biological Change	
SPI#	State Performance Indicator
6.6.1	Analyze how fossils provide information about the past.
6.6.2	Identify factors that contribute to extinction.
6.6.3	Differentiate between the relative age of fossils in sedimentary rock.
6.6.4	Select additional lines of scientific evidence, other than fossils, that illustrate change over time.
Earth and Its Place in the Universe	
SPI#	State Performance Indicator
6.7.1	Distinguish between a day, month, and year on earth based on the movements of the earth, sun, and moon.
6.7.2	Identify the force that pulls objects toward the earth.
6.7.3	Differentiate between planets according to specific characteristics.
6.7.4	Categorize the components of the universe (i.e., stars, planets, comets, asteroids, meteors).
6.7.5	Differentiate between a solar and a lunar eclipse.
6.7.6	Select the diagram that reflects the earth/sun relationship that accounts for the four seasons.
6.7.7	Predict the type of tide produced by the different positions of the earth and moon system.
Energy	
SPI#	State Performance Indicator
6.14.1	Predict the direction of heat flow between objects.
6.14.2	Identify the wavelength, frequency, and amplitude of a wave.
6.14.3	Recognize a variety of energy transformations.
6.14.4	Select examples of refraction, reflection, and absorption of light.
6.14.5	Infer the impact of nuclear power on humans and the environment.

SPI# -- Grade Level. Content Standard Number. Performance Indicator Number

Please refer questions about this list to the Tennessee Department of Education, Evaluation and Assessment. 01/08/04